

L6: Entry 34 of 37

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Oct 8, 1992

DERWENT-ACC-NO: 1992-385398

DERWENT-WEEK: 199247

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TITLE: Anti-periodontal disease agents inhibiting proliferation of Bacteroides gingivitis - obtd. by soaking soybean(s) in water to extract iso:flavone glycoside (s) including genistein glycoside

PATENT-ASSIGNEE:

ASSIGNEE

CODE

KIKKOMAN CORP

KIKK

PRIORITY-DATA: 1991JP-0070389 (March 12, 1991)

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PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/> JP 04283518 A	October 8, 1992		003	A61K038/78

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP 04283518A	March 12, 1991	1991JP-0070389	

INT-CL (IPC): A61K 38/78

ABSTRACTED-PUB-NO: JP 04283518A

BASIC-ABSTRACT:

Anti-periodontal disease agents contain genistein.

Genistein is prepd. by soaking peeled soybeans in water of pH 8-11 at 50-60 deg.C to extract isoflavon glycosides including genistein glucoside. This extract is hydrolysed with enzyme or acid and the hydrolysate is filtered through ultrafiltration membrane to give a fraction contg. isoflavones. Crude genistein may be purified by adsorption-elution process by use of proper resins or by extn. with ether. Genistein obtained can be mixed in tooth paste, gargle, chewing gum, or troche.

USE/ADVANTAGE - The agents inhibit the proliferation of B. gingivalis which is adherent bacteria in the bronchial and intestinal tracts and causes varied periodontal disorders including periodontosis. Genistein is the aglucon of genistein and other isoflavon glucosides which can be easily obtd. and is of low toxicity. The glucosides are readily gained from plants such as soybeans, e.g. by means of extn..

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